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09/584,609	05/31/2000	Rosario A. Uceda-Sosa	POU9-2000-0019-US1	2859

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EXAMINER

SIDDIQI, MOHAMMAD A

ART UNIT

PAPER NUMBER

2126

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Please find below and/or attached an Office communication concerning this application or proceeding.

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# Office Action Summary

Application No.

09/584,609

Applicant(s)

UCEDA-SOSA ET AL.

Examiner

Mohammad A Siddiqi

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 31 May 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-24 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 31 May 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

**DETAILED ACTION**

1. Claims 1 – 24 are presented for examination.

***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

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3. Claim 1 - 24 are rejected under 35 U.S.C. 102(e) as being anticipated by Traversat et al. (6119129) (hereinafter Traversat).

4. As per independent claim 1, Traversat teaches a method of managing locking of resources of a global data repository (e.g. col 4, lines 20-24) of a distributed computing environment (e.g. col 4, lines 30-37), method comprising:

issuing a request, via a thread of a multithreaded client application of distributed computing environment, for a lock of one or more resources of global data repository; and (e.g. col 11 lines 21-40, col 10, lines 66-67 and lines 1-15, also col 8, lines 22-24, Traversat teaches the use of releasing a lock, the step of obtaining the lock must be performed)

obtaining lock for thread independent of a threading model of an operating system of distributed computing environment (e.g. col 8 lines 63-67. Since, as is known in the art, Java is multi-threaded and platform-independent).

5. As per claim 2, Traversat teaches the use of a local tree in obtaining lock (e.g. col 8, lines 21-24).

6. As per independent claim 3, Traversat teaches a system of managing locking of resources of a global data repository (e.g. col 4, lines 20-24) of a distributed computing environment (e.g. col 4, lines 30-37), system comprising:

means for issuing a request, via a thread of a multithreaded client application of distributed computing environment, for a lock of one or more resources of distributed global data repository; and (e.g. col 11 lines 21-40, col 10, lines 66-67 and lines 1-15, also col 8, lines 22-24, Traversat teaches the use of releasing a lock, the step of obtaining the lock must be performed)

means for obtaining lock for thread independent of a threading model of an operating system of distributed computing environment (e.g. col 8

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lines 63-67. Since, as is known in the art, Java is multi-threaded and platform-independent).

7. As per claim 4, Traversat teaches the use of a local tree in obtaining lock (e.g. col 8, lines 21-24).

8. As per independent claim 5, Traversat teaches At least one program storage device readable by a machine, tangibly embodying at least one program of instructions executable by the machine to perform a method of managing locking of resources of a global data repository (e.g. col 4, lines 20-24) of a distributed computing environment (e.g. col 4, lines 30-37), method comprising:

issuing a request, via a thread of a multithreaded client application of distributed computing environment, for a lock of one or more resources of global data repository; and (e.g. col 11 lines 21-40, col 10, lines 66-67 and lines 1-15, also col 8, lines 22-24, Traversat teaches the use of releasing a lock, the step of obtaining the lock must be performed)

obtaining lock for thread independent of a threading model of an operating system of distributed computing (e.g. col 8 lines 63-67. Since, as is known in the art, Java is multi-threaded and platform-independent).

9. As per claim 6, Traversat teaches the use of a local tree in obtaining lock (e.g. col 8, lines 21-24).

10. As per claim 7, Traversat teaches connecting the local tree to a server data tree (e.g. col 6, lines 36-40).

11. As per claim 8, Traversat teaches the use of connecting the local tree to the server data tree via a mount point on the local tree (e.g. col 6, lines 36-40).

12. As per claim 9, Traversat teaches the issuing a request for a lock of at least one table of the global data repository (e.g. col 8, lines 21 - 28, Traversat teaches the use of releasing a lock, the step of obtaining the lock must be performed).

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13. As per claim 10, Traversat teaches the issuing request from a server associated with the one or more resources (e.g. col 8, lines 38 – 40, lines 50 – 54).

14. As per claim 11, Traversat teaches the use of unlocking the one or more resources by the thread of the multithreaded client application (col 8, lines 61-67).

15. As per claim 12, Traversat teaches the use of the multithreaded client application at least one of the one or more resources (col 8, lines 21-24, lines 63-67).

16. As per claim 13, Traversat teaches connecting the use of the local tree to a server data tree (e.g. col 6, lines 36-40).

17. As per claim 14, Traversat teaches the use of connecting the local tree to the server data tree via a mount point on the local tree (e.g. col 6, lines 36-40).

18. As per claim 15, Traversat teaches the request for a lock of at least one table of the global data repository (e.g. col 8, lines 21 – 28, Traversat teaches the use of releasing a lock, the step of obtaining the lock must be performed).

19. As per claim 16, Traversat teaches issuing the request from a server associated with the one or more resources (e.g. col 8, lines 38 – 40, lines 50 – 54).

20. As per claim 17, Traversat teaches the use of unlocking the one or more resources by the thread of the multithreaded client application (col 8, lines 61-67).

21. As per claim 18, Traversat teaches the use of the multithreaded client application at least one of the one or more resources (col 8, lines 21-24, lines 63-67).

22. As per claim 19, Traversat teaches the use of connecting the local tree to a server data tree (e.g. col 6, lines 36-40).

23. As per claim 20, Traversat teaches the use of connecting the local tree to the server data tree via a mount point on the local tree (e.g. col 6, lines 36-40).

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24. As per claim 21, Traversat teaches the issuing a request for a lock of at least one table of the global data repository (e.g. col 8, lines 21 – 28, Traversat teaches the use of releasing a lock, the step of obtaining the lock must be performed).

25. As per claim 22, Traversat teaches the use of issuing the request from a server associated with the one or more resources (e.g. col 8, lines 38 – 40, lines 50 – 54).

26. As per claim 23, Traversat teaches the use of unlocking the one or more resources by the thread of the multithreaded client application (col 8, lines 61-67).

27. As per claim 24, Traversat teaches the use of another thread of the multithreaded client application at least one of the one or more resources (col 8, lines 21-24, lines 63-67).

28. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

a. Hapner U.S. 5940827 discloses methods and apparatus for managing a database in a distributed operating environment.

b. Hapner U.S. 5727203 discloses methods and apparatus for managing a database in a distributed object operating environment using persistent and transient cache.

c. Watanabe U.S. 6016490 discloses database management system

29. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mohammad A. Siddiqi whose telephone number is (703) 305-0353. The examiner can normally be reached on Monday-Friday from 8:30 AM to 5 PM.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John A Follansbee can be reached on (703) 305-

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8498. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 306-5404 for regular communications and (703) 306-5404 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

MAS  
July 29, 2003



**JOHN FOLLANSBEE**  
**SUPERVISORY PATENT EXAMINER**  
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